Figure 1A

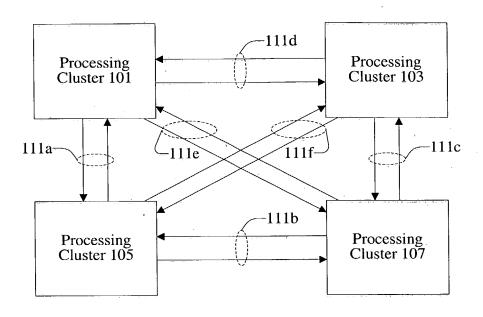
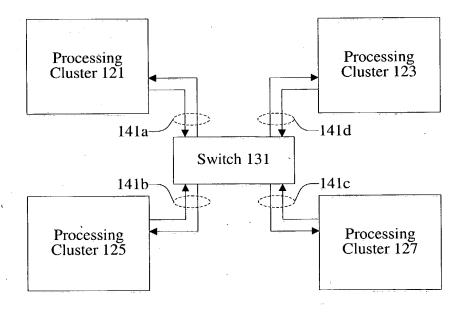
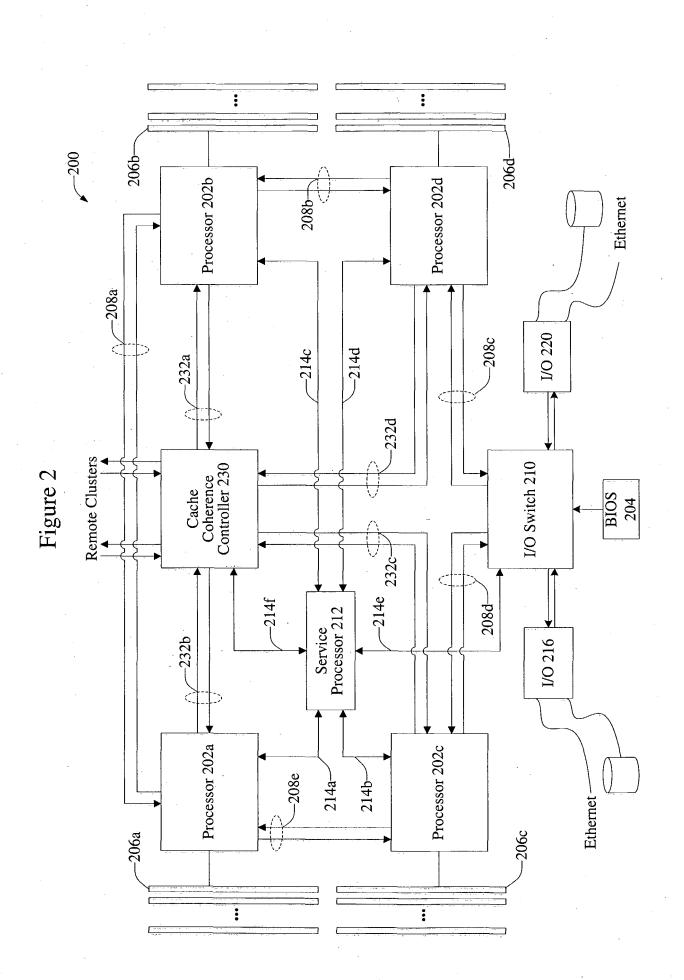


Figure 1B





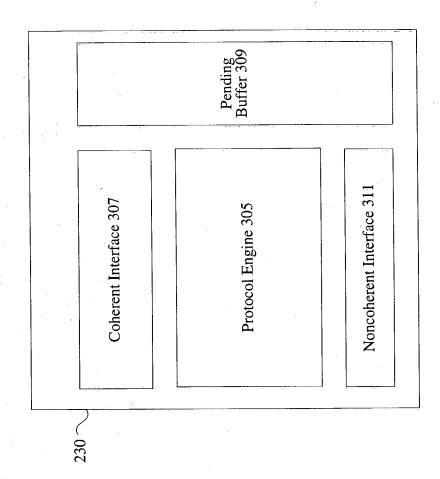


Figure 4

Figure 5A

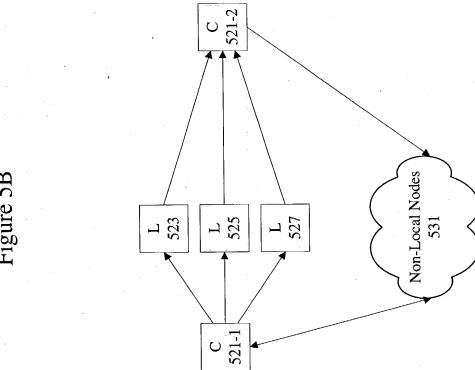


Figure 5C

Figure 5D

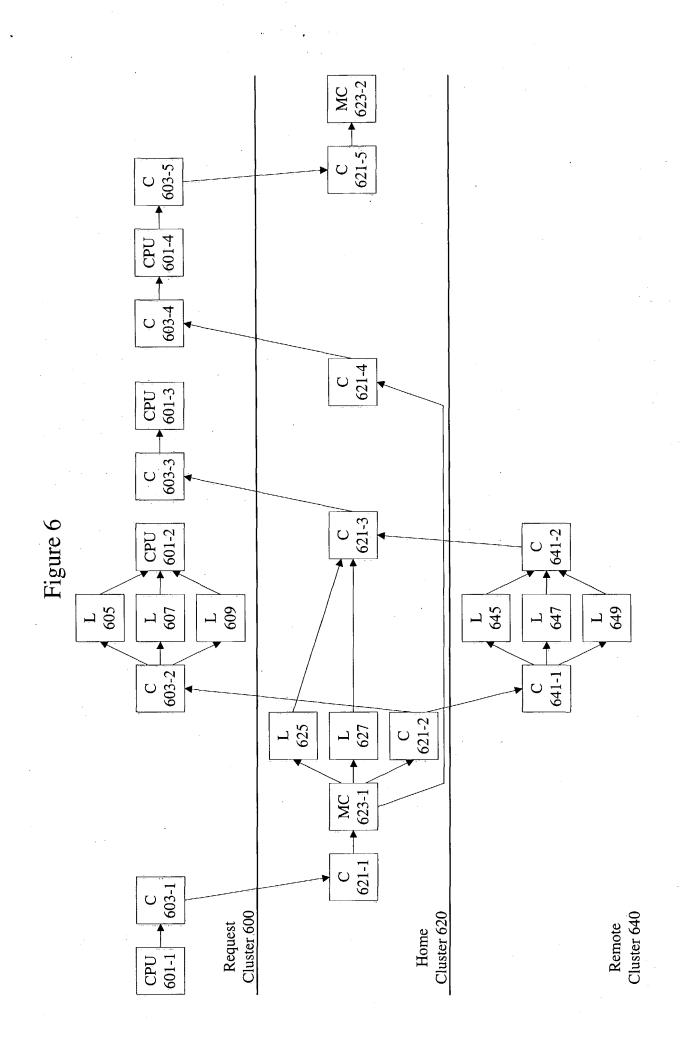


Figure 7

Coherence Directory 701					
Memory Line 711	State 713	Dirty Data Owner 715	Occupancy Vector 717		
Address 721	Invalid	N/A	N/A		
Address 731	Invalid	N/A	N/A		
Address 741	Shared	N/A	Clusters 1,3		
Address 751	Shared	N/A	Clusters 1, 2, 3, 4		
Address 761	Owned	Cluster 4	Cluster 2, 3, 4		
Address 771	Owned	Cluster 2	Cluster 2, 4		
Address 781	Modified	Cluster 2	N/A		
Address 791	Modified	Cluster 3	N/A		
•••	•••		•••		

Figure 8

Coherence Directory 801						
Memory Line 811	State 813	Owning Cluster 815	Owning Node 817	Occupancy Vector 819		
Address 821	Invalid	N/A	N/A	N/A		
Address 831	Invalid	N/A	N/A	N/A		
Address 841	Shared	N/A	N/A	Clusters 1,3		
Address 851	Shared	N/A	N/A	Clusters 1, 2, 3, 4		
Address 861	Owned	Cluster 4	Node 2	Cluster 2, 3, 4		
Address 871	Owned	Cluster 2	Node 3	Cluster 2, 4		
Address 881	Modified	Cluster 2	Node 1	N/A		
Address 891	Modified	Cluster 3	Node 3	N/A		
•••	•••	•••	•••			

Figure 9

Figure 10

Remote Cluster 1040

Figure 11

Remote Cluster 1140

Figure 12

